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Title: NETWORKING SYSTEMS

Abstract

A novel networking architecture and technique for cing system latency caused, at least in part, by s contention for usage of common bus and memory ities, wherein a separate data processing and queue agement forwarding engine and queue manager are ided for each I/O module to process packet/cell ol information and delivers queuing along a separate that eliminates contention with other resources and arate from the transfer of packet/cell data into and the memory.